



**Environmental
 Notification Form**

<i>For Office Use Only</i> Executive Office of Environmental Affairs	
EOEA No.:	<u>13839</u>
MEPA Analyst:	<u>Beiony Angus</u>
Phone:	617-626- <u>1029</u>

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Flint Road Landfill Closure		
Street: Flint Road		
Municipality: Charlton	Watershed:	
Universal Transverse Mercator Coordinates:	Latitude: 42d7m11sN Longitude: 71d58m41sW	
Estimated commencement date: August 2006	Estimated completion date: October 2008	
Approximate cost: \$1,250,000	Status of project design: 100	%compl
Proponent: Charlton Board of Health		
Street: 37 Main Street		
Municipality: Charlton	State: MA	Zip Code: 01507
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Ronald Pong		
Firm/Agency: Tata & Howard, Inc.	Street: 125 Turnpike Road	
Municipality: Charlton	State: MA	Zip Code: 01507
Phone: (508) 366-5760	Fax: (508) 366-5785	E-mail: rpong@tataandhoward.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): _____

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals: Charlton Conservation Commission Order of Conditions, DEP 401 Water Quality Certification, ACOE Programmatic Permit

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> <u>ACOE Programmatic Permit</u> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Total site acreage	9.3 ac.			
New acres of land altered		0.3		
Acres of impervious area		0		
Square feet of new bordering vegetated wetlands alteration		9,200		
Square feet of new other wetland alteration		5,000		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	0	0	0	
Number of housing units	0	0	0	
Maximum height (in feet)	0	0	0	
TRANSPORTATION				
Vehicle trips per day	0	0	0	
Parking spaces	0	0	0	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	0	0	
GPD wastewater generation/ treatment	0	0	0	
Length of water/sewer mains (in miles)	0	0	0	

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

- Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

- Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify _____) No

HISTORICAL / ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify _____) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

Project Description

The Town of Charlton, under the direction of the Board of Health, proposes to construct a final cap over an approximate 9.3-acre landfill located off Flint Road in Charlton, Massachusetts. The proposed work shall take place within the 100-foot buffer zone of the bordering and isolated vegetated wetlands on the site. Approximately 12,600 square feet (sf) of vegetated wetlands will be disturbed to allow access for the installation of the landfill cap. Approximately 9,200 sf of bordering vegetated wetlands (BVW) located at the toe of slope of the existing landfill will be filled to accommodate the capping system required to mitigate infiltration of precipitation through the municipal solid waste at the former Town dump. Approximately 2,400 sf of BVW will be temporarily disturbed during installation of the capping system; this will re-vegetate subsequent to completion of site construction activities. Approximately 3,000 sf of BVW will be replicated on the southeast portion of the landfill, and approximately 7,700 sf will be replicated adjacent to the northeast portion of the landfill. Buffer zone work will consist of grading and re-shaping of the landfill in order to accommodate the proposed capping system. Additionally, approximately 5,000 sf of isolated land subject to flooding (ILSTF) located along the northeast perimeter of the landfill will be filled to accommodate the capping system. Stormwater storage volume lost due to filling of the ILSTF will be compensated through excavation of land located opposite the filled area contiguous with the existing total ILSTF area of approximately 26,000 sf.

The proposed final cap will be approximately 24" in depth and consist of a gas venting layer, high density polyethylene liner (HDPE), drainage layer and a vegetative layer. The vegetative support layer will consist of a six-inch thick layer of loam and seed. The vegetative layer will reduce the potential for erosion of the final cap and will be maintained under the landfill's post closure monitoring and maintenance programs as required by the applicable regulations. The final grades will vary around the perimeter of the landfill, but will not exceed a maximum slope of 3:1, complying with DEP resource protection solid waste regulations. In addition, the proposed landfill cap will include a passive gas venting system and drainage improvements.

Alternatives

In accordance with Administrative Consent Order (ACOP-CE-06-4001), the Town of Charlton is

required to cap the Flint Road Sanitary Landfill. No feasible alternatives to capping the site exist, and the landfill capping system has been designed to remain generally within the historic footprint of the former dump.

Mitigation Measures

Several forms of drainage control have been incorporated into the landfill design to minimize the potential impacts on the surrounding resource areas. In the northwest, west and southwest areas of the landfill, rip rap lined drainage swales and benches have been incorporated into the design to control sideslope runoff and reduce the potential for erosion. These rip rap lined drainage swales will direct runoff away from off the cap to a sedimentation basin on the western perimeter before being allowed to overflow towards the adjacent wetlands. The basin will also be regularly maintained as directed in the post-closure documentation for the landfill.